



Terra and Aqua 2023 Senior Review Budget Impacts on MODIS Support Teams *

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**Does not include impacts on the MODIS Science
Team Members or Aqua/Terra Mission Operations*



MCST and OPS Impacts

Key impacts on both Terra and Aqua MODIS Calibration Support Team (MCST) and MODIS Instrument Operation (OPS):

- Decrease the frequencies of operating MODIS instrument on-board calibrators and, possibly, regularly scheduled lunar observations via spacecraft roll maneuvers (also due to the reduced level of support from flight operation team).
- Impede our support or quick responses to the mission/flight operation teams to address spacecraft and/or MODIS instrument anomalies, and likely the future decommissioning activities.
- Reduce the efforts made by MCST on sensor RVS (response versus scan-angle) characterization and crosstalk characterization - this will lead to negative impact on calibration and data quality.
- Delay and possibility reduce the frequencies of calibration LUT deliveries for forward production.
- Impact our support or quick responses to the users on L1B and MODIS calibration issues.



SDST, MAST (and SIPS) Impacts

MODIS Science Data Support Team (SDST) Impacts

- No Collection 8 with science algorithm changes, but instead a C7.1 with only (mostly) end-of-mission calibration changes
- Coordination of Land and Atmosphere ST will be reduced
- Reduced number of algorithm revisions (but we expect fewer revisions because the ST members funding is also reduced)
- Test planning, number of test and time to evaluate tests will be negatively impacted
- Routine QA of Land and Atmosphere products will be reduced and addressing quality issues and responding to user's queries will take longer
- Reduced support for orphaned algorithms, as well as common algorithms and libraries
- Geolocation algorithm and QA support will be impacted

MODIS Administrative Support Team (MAST) Impacts

- Reduced outreach and MODIS ST web page support (fewer updates)
- Response to user queries will be negatively impacted
- Fewer/shorter in-person ST meetings (future meetings could be virtual only)

MODIS Science Investigator Lead Processing Systems (SIPSs) Impacts

- ESDIS Budget for the MODIS SIPSs (MODAPS, OCPS), LANCE and DAACs -- No cuts in SR, but ESDIS FY24+ budgets as submitted had MODIS end of mission at the end of this calendar year.
- So FY24+ budgets must updated to reflect the (proposed) longer missions.